Citation: K. Hagiwara *et al.* (Particle Data Group), Phys. Rev. D **66**, 010001 (2002) and 2003 partial update for edition 2004 (URL: http://pdg.lbl.gov)

$a_2(1700)$

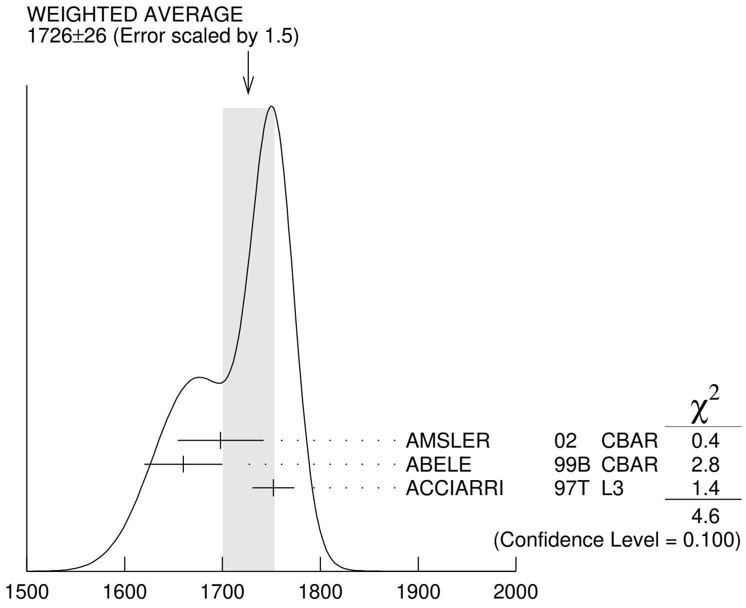
$I^G(J^{PC}) = 1^-(2^{++})$

OMITTED FROM SUMMARY TABLE

$a_2(1700)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
1726±26 OUR AVERAGE	Error includes scale factor of 1.5. See the ideogram below.			
1698±44	[1] AMSLER	02	CBAR	0.9 $\overline{p}p \to \pi^0\eta\eta$
1660±40	ABELE	99B	CBAR	1.94 $\overline{p}p \to \pi^0\eta\eta$
1752±21±4	ACCIARRI	97T	L3	$\gamma\gamma \to \pi^+\pi^-\pi^0$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
~ 1775	[2] GRYGOREV	99	SPEC	40 $\pi^- p \to K^0_S K^0_S n$

[1] T-matrix pole.
[2] Possibly two $J^P = 2^+$ resonances with isospins 0 and 1.



$a_2(1700)$ mass (MeV)

$a_2(1700)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
256± 40 OUR AVERAGE				
265± 55	[3] AMSLER	02	CBAR	0.9 $\overline{p}p \to \pi^0\eta\eta$
280± 70	ABELE	99B	CBAR	1.94 $\overline{p}p \to \pi^0\eta\eta$
150±110±34	ACCIARRI	97T	L3	$\gamma\gamma \to \pi^+\pi^-\pi^0$

[3] T-matrix pole.

$a_2(1700)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\eta\pi$	seen
Γ_2	$\gamma\gamma$	
Γ_3	$\rho\pi$	
Γ_4	$f_2(1270)\pi$	

$a_2(1700)$ $\Gamma(i)\Gamma(\gamma\gamma)/\Gamma(\text{total})$

$\left[\Gamma(\rho\pi)+\Gamma(f_2(1270)\pi)\right] \times \Gamma(\gamma\gamma)/\Gamma_{\text{total}}$ **$(\Gamma_3+\Gamma_4)\Gamma_2/\Gamma$**

VALUE (keV)	*DOCUMENT ID*		*TECN*	*COMMENT*
0.29±0.04±0.02	ACCIARRI	97T	L3	$\gamma\gamma \to \pi^+\pi^-\pi^0$

$a_2(1700)$ REFERENCES

AMSLER	02	EPJ C23 29	C. Amsler *et al.*	
ABELE	99B	EPJ C8 67	A. Abele *et al.*	(Crystal Barrel Collab.)
GRYGOREV	99	PAN 62 470	V.K. Grygorev *et al.*	
		Translated from YAF 62 513.		
ACCIARRI	97T	PL B413 147	M. Acciarri *et al.*	(L3 Collab.)

OTHER RELATED PAPERS

BARBERIS	00H	PL B488 225	D. Barberis *et al.*	(WA 102 Collab.)